



## CONGRESSIONAL BUDGET OFFICE COST ESTIMATE

December 17, 2001

### **H.R. 3394** **Cyber Security Research and Development Act**

*As ordered reported by the House Committee on Science on December 6, 2001*

#### **SUMMARY**

H.R. 3394 would authorize appropriations for several research initiatives related to computer security at two agencies—the National Science Foundation (NSF) and the National Institute of Standards and Technology (NIST). The bill would establish the terms and conditions for awarding grants, fellowships, cooperative agreements related to computer security, and would authorize NIST to conduct similar research at its laboratories. It would authorize the appropriation of \$878 million over the 2002-2007 period for these activities, and any amounts necessary to continue the fellowships and cooperative agreements at NIST through 2012. This total would include funding for the ongoing activities of the Computer System Security and Privacy Advisory Board and a study by the National Academy of Sciences on the vulnerability of the nation's network infrastructure.

Assuming appropriation of the specified amounts, CBO estimates that implementing this bill would cost \$420 million over the 2002-2006 period. The bill would not affect direct spending or receipts; therefore, pay-as-you-go procedures would not apply.

H.R. 3394 contains no intergovernmental or private-sector mandates as defined in the Unfunded Mandates Reform Act (UMRA) and would impose no costs on state, local, or tribal governments.

#### **ESTIMATED COST TO THE FEDERAL GOVERNMENT**

The estimated budgetary impact of H.R. 3394 is shown in the following table. The costs of this legislation fall within budget functions 250 (general science, space, and technology) and 376 (commerce and housing credit). For this estimate, CBO assumes that funds will be appropriated near the beginning of each fiscal year and that outlays will occur at rates similar to those for other research programs at NSF and NIST.

	By fiscal Year, in Million of Dollars				
	2002	2003	2004	2005	2006
<b>CHANGES IN SPENDING SUBJECT TO APPROPRIATION</b>					
Authorization Level	1	105	152	184	206
Estimated Outlays	1	30	85	134	170

**PAY-AS-YOU-GO CONSIDERATIONS:** None.

### **ESTIMATED IMPACT ON STATE, LOCAL, AND TRIBAL GOVERNMENTS**

H.R. 3394 contains no intergovernmental mandates as defined in UMRA and would impose no costs on state, local, or tribal governments. The bill would benefit state governments by authorizing the appropriation of \$878 million, much of which would be for grant programs to institutions of higher education (including public universities) to develop programs to improve the security of computer networks.

### **ESTIMATED IMPACT ON THE PRIVATE SECTOR**

This bill contains no new private-sector mandates as defined in UMRA.

### **ESTIMATE PREPARED BY:**

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